

09/365,349

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<input type="checkbox"/>	L9	L8 and Brassica	5
<input type="checkbox"/>	L8	L2 and metal	27
<input type="checkbox"/>	L7	L1 and metal	68
<input type="checkbox"/>	L6	L2 and Arabidopsis	6
<input type="checkbox"/>	L5	L2 and tobacco	12
<input type="checkbox"/>	L4	L2 and poplar?	2
<input type="checkbox"/>	L3	L2 and brassica?	0
<input type="checkbox"/>	L2	L1 and (recombinant or expression) and plant	36
<input type="checkbox"/>	L1	(glutamylcysteine near synthetase) and (gene or DNA or nucleic or nucleotide or protein or polypeptide)	123

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=> file caplus biosis agricola medline patents europatfull patent	SINCE FILE	TOTAL
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=> s (glutamylcysteine (w) synthetase) (2a (gene or DNA or nucleic or nucleotide or protein or polypeptide)
MISSING OPERATOR NTHETASE) (2A
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s (glutamylcysteine (w) synthetase) (2a) (gene or DNA or nucleic or nucleotide
or protein or polypeptide)
2 FILES SEARCHED...
8 FILES SEARCHED...
11 FILES SEARCHED...
18 FILES SEARCHED...
25 FILES SEARCHED...
33 FILES SEARCHED...

L1 469 (GLUTAMYL CYSTEINE (W) SYNTHETASE) (2A) (GENE OR DNA OR NUCLEIC
OR NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE)

=> s l1 and (recombinant or expression) and plant
8 FILES SEARCHED...
25 FILES SEARCHED...

L2 71 L1 AND (RECOMBINANT OR EXPRESSION) AND PLANT

=> s l2 and Brassica
L3 16 L2 AND BRASSICA

=> s l2 and poplar?
L4 10 L2 AND POPLAR?

=> s l2 and tobacco
L5 22 L2 AND TOBACCO

=> s l2 and Arabidopsis
L6 24 L2 AND ARABIDOPSIS

=> d his

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FILE 'CAPLUS, BIOSIS, AGRICOLA, MEDLINE, CAOLD, CASREACT, CROPU, DGENE,
DPCI, ENCOMPPAT2, EUROPATFULL, FRANCEPAT, FSTA, IFIPAT, INPADOC, JAPIO,
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L1 469 S (GLUTAMYL CYSTEINE (W) SYNTHETASE) (2A) (GENE OR DNA OR NUCLEI
L2 71 S L1 AND (RECOMBINANT OR EXPRESSION) AND PLANT
L3 16 S L2 AND BRASSICA

L4 10 S L2 AND POPLAR?
L5 22 S L2 AND TOBACCO
L6 24 S L2 AND ARABIDOPSIS

=> d l3

L3 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:107940 CAPLUS
DN 136:139283
TI Synthesis of glutamylcysteine synthetase for heavy metal accumulation in
Brassica and its use in phytoremediation of soils and groundwater
contaminated with heavy metals
IN Terry, Norman; Pilon-Smits, Elizabeth; Zhu, Yong Liang
PA USA
SO U.S. Pat. Appl. Publ., 7 pp., Cont. of U.S. Ser. No. 365,349.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 2002016983	A1	20020207	US 2001-933549	20010820
	US 6576816	B2	20030610		
PRAI	US 1999-365349	A1	19990730		

=> d l3 2-10

L3 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:332105 CAPLUS
DN 129:91207
TI cdNA cloning and **expression** analysis of genes encoding GSH
synthesis in roots of the heavy-metal accumulator **Brassica**
juncea L.: evidence for Cd-induction of a putative mitochondrial
 γ -glutamylcysteine synthetase isoform
AU Schafer, Holger J.; Haag-Kerwer, Angela; Rausch, Thomas
CS Botanisches Institut der Ruprecht-Karls-Univ., Heidelberg, 69120, Germany
SO Plant Molecular Biology (1998), 37(1), 87-97
CODEN: PMBIDB; ISSN: 0167-4412
PB Kluwer Academic Publishers
DT Journal
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
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(2004) on STN
AN 2000:65971 AGRICOLA
DN IND22059203
TI Cadmium tolerance and accumulation in Indian mustard is enhanced by
overexpressing gamma-glutamylcysteine synthetase.
AU Zhu, Y.L.; Pilon-Smits, E.A.H.; Tarun, A.S.; Weber, S.U.; Jouanin, L.;
Terry, N.
AV DNAL (450 P692)
SO Plant physiology, Dec 1999. Vol. 121, No. 4. p. 1169-1177
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English